

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/050879

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 G03B21/14 G03B21/28 H04N5/74

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 G03B H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 400 095 A (HAUCK LANE T ET AL) 21 March 1995 (1995-03-21)	1-3
Y	column 2, line 65 - column 3, line 9 column 4, line 57 - column 5, line 5; figures 1,2 -----	4-13,15
A	US 5 428 415 A (KEELAN BRIAN W ET AL) 27 June 1995 (1995-06-27) the whole document -----	2
Y	US 5 788 355 A (NA DAE-HEE) 4 August 1998 (1998-08-04) the whole document -----	4,5
Y	US 4 184 755 A (BURGESS DAVID E ET AL) 22 January 1980 (1980-01-22) abstract; figure 1 -----	15
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

19 January 2005

Date of mailing of the International search report

28.01.2005

Name and mailing address of the ISA

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PCT/IB2004/050879

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category <sup>o</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 25 04 913 A (VREDEBORCH GMBH) 19 August 1976 (1976-08-19) the whole document -----	6-13
Y	US 5 980 045 A (FUJIBAYASHI KAZUO) 9 November 1999 (1999-11-09) column 10, line 23 - line 24; figure 1 -----	9,10,12
A	US 5 993 009 A (CHOATE ALBERT G) 30 November 1999 (1999-11-30) figure 2 -----	7,8

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-5,15

Device for projecting images onto different projecting surfaces, having a redirecting mirror movable between a first position, into the beam path, and a second position, out of the beam path, for projecting an image onto either one of a respective first and second surface.

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2. claims: 6-14

Device for projecting images onto different projecting surfaces, having an image forming lens movable between a first position, out of the beam path, and a second position, into the beam path, for projecting an image with either one of a respective first and second magnification.

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## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IB2004/050879

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

As a result of the prior review under R. 40.2(e) PCT,  
no additional fees are to be refunded.

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/IB2004/050879

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5400095	A	21-03-1995		US 5321450 A AU 676339 B2 AU 6945394 A CA 2162690 A1 EP 0746797 A1 JP 8511353 T WO 9427185 A1 US 5510861 A AU 668823 B2 AU 6703494 A CA 2162691 A1 EP 0698227 A1 JP 6347749 A JP 8508828 T WO 9427184 A1 US 5483382 A US 5453803 A		14-06-1994 06-03-1997 12-12-1994 24-11-1994 11-12-1996 26-11-1996 24-11-1994 23-04-1996 16-05-1996 12-12-1994 24-11-1994 28-02-1996 22-12-1994 17-09-1996 24-11-1994 09-01-1996 26-09-1995
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US 4184755	A	22-01-1980		NONE		
DE 2504913	A	19-08-1976		DE 2504913 A1 ES 444923 A1 FR 2300352 A1 IE 43781 B1 IT 1056609 B JP 51106435 A		19-08-1976 01-05-1977 03-09-1976 20-05-1981 20-02-1982 21-09-1976
US 5980045	A	09-11-1999		JP 9325296 A JP 10039252 A		16-12-1997 13-02-1998
US 5993009	A	30-11-1999		NONE		